

Agency: Commerce, Community and Economic Development**Grants to Municipalities (AS 37.05.315)****Grant Recipient: Ketchikan****Project Title:****Project Type:** Maintenance, Renovation and Repairs

Ketchikan - Reconstruction of Downtown Bridges and Trestles

State Funding Requested: \$5,000,000**House District: 1 / A**

Future Funding May Be Requested

Brief Project Description:

Project would fund emergency repairs and/or replacements of high traffic bridges vital to Ketchikan's tourism industry.

Funding Plan:**Total Cost of Project: \$11,600,000**

	<u>Funding Secured</u>		<u>Other Pending Requests</u>		<u>Anticipated Future Need</u>	
	<i>Amount</i>	<i>FY</i>	<i>Amount</i>	<i>FY</i>	<i>Amount</i>	<i>FY</i>
Local Funds	\$6,600,000					
Total	\$6,600,000					

Detailed Project Description and Justification:

Project would fund emergency repairs and/or replacements of high traffic bridges vital to Ketchikan's tourism industry. Funding in the amount of \$5,000,000 is requested to assist the City of Ketchikan in beginning the development of a multi-year program to repair and/or replace aging and deteriorating municipal bridges and trestles within the community.

Ketchikan is the first Alaskan port of call for cruise ships visiting Alaska. This project will address important transportation needs of the community by improving motor coach, van and pedestrian access. During the summer the community receives a large amount of tour bus traffic to accommodate the nearly one million visitors that visit Ketchikan each year. Bridge and trestle infrastructure is a vital part of transportation around Ketchikan and is necessary to accommodate the tourism economy. At the end of 2007, the Department of Transportation & Public Facilities issued its biennial inspection report of the sixteen bridge and trestle structures located within the City limits. The report detailed a series of improvements that are required, in order to maintain the structures in a safe and serviceable condition.

The city estimates the cost to complete the interim repairs through the end of 2008 will likely exceed \$250,000. In addition, the City is projecting costs of \$750,000 in 2009 to address immediate repairs. These costs are being assumed by the city. However, it is anticipated that over the next several years a variety of projects will have to be undertaken including maintenance, structural retro-fitting and complete replacement. The rough order of magnitude estimate for this work far exceeds the City's ability to fund this effort through local revenues.

In recognition of the need to address this immediate safety concern, the Ketchikan City Council awarded a contract to Shearer Design, LLC of Seattle, in order to undertake a comprehensive inspection of the seventeen municipal bridges and trestles within the City. Based on initial results of the inspection, the structures were determined to be in far worse condition than what was detailed in DOT&PF's inspection report. Five of seventeen bridges were immediately closed or weight restricted. The City Council approved a formal declaration of a public emergency in November, 2008 and authorized \$750,000 for design of interim repairs of the structures. An additional \$750,000 has been appropriated in the

FY 2009 Budget, in order to continue interim repairs, when appropriate, and to undertake design for the replacement of four of the seventeen bridges.

Funding in the amount of \$5,000,000 is requested to assist the City of Ketchikan in beginning the development of a multi-year program to address the repair and/or replacement of aging and deteriorating municipal bridges and trestles within the community. This project is strongly supported by the Ketchikan community and matches the intent of the commercial vessel passenger excise tax.

Project Timeline:

FY 2010

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

City of Ketchikan

Grant Recipient Contact Information:

Name: David Martin
Address: 334 Front Street
Ketchikan, AK 99901
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Has this project been through a public review process at the local level and is it a community priority? ☒ Yes ☐ No

RECONSTRUCTION OF DOWNTOWN BRIDGES AND TRESTLES

Funding Sources	
Requested	\$5,000,000
Matching/Local	\$6,600,000
Total	\$11,600,000

PROJECT SUMMARY:

This project consists of the first year of a multi-year program to address the City of Ketchikan's aging and deteriorating municipal bridges and trestles. A rough order of magnitude estimate for the cost of repair and/or replacement of the sixteen structures ranges from \$13,057,975 to \$24,836,350.

PROJECT HISTORY/STATUS:

Project would fund emergency repairs and replacement for high traffic bridges in residential and commercial areas in Ketchikan.

At the end of 2007, the Department of Transportation and Public Facilities issued its biennial inspection report of the sixteen bridge and trestle structures located within the City limits. The report detailed a series of improvements that are required, in order to maintain the structures in a safe and serviceable condition. In the majority of instances, these bridges and trestles provide access to tour vendors in historic areas and neighborhoods, and at the same time serve as alternate routes and secondary arterials for local residents during the tour season heightened traffic congestion in the downtown exists during the summer months.

In recognition of the need to address this immediate safety concern, the City Council awarded a contract to Shearer Design, LLC of Seattle, in order to undertake a comprehensive inspection of the seventeen municipal bridges and trestles within the City. Based on initial results of the inspection, the structures were determined to be in far worse condition than what was detailed in DOT&PF's inspection report. Five of seventeen bridges were immediately closed or weight restricted. The City Council approved a formal declaration of a public emergency in November, 2008 and authorized \$750,000 for design of interim repairs of the structures. The City will expend in excess of \$3,000,000 through the end of June, 2009 to repair and/or reopen four structures. It is anticipated that an additional \$3,500,000 will have to be spent by the end of the year to replace two additional bridges and undertake major repairs to two other structures

Additional bridge projects programmed in the downtown area include the following:

Water Street Trestle No. 2:

The Water Street Trestle #2 structure is a hybrid structure constructed from both concrete and timber components approximately 1000 linear feet in length. It is situated on the edge of a steep cliff, and provides the only general and emergency vehicle access to 26 residential homes. In addition Water Street is used by small tour vendors offering tours of the historic area and scenic views of downtown. It also provides a vital secondary arterial for the residents of the area and serves as a de facto bypass from the congested downtown area during the tour season.

Dunton Street Trestle:

The Dunton Street Viaduct structure is a hybrid structure constructed from both concrete and timber components approximately 500 linear feet in length. The last major reconstruction project on the structure was 31 years ago. It is situated on the edge of a steep cliff, and provides general and emergency vehicle access to 15 residential homes. In addition the Dunton Street Trestle is used by small tour vendors offering tours of the historic area. It also provides a vital secondary arterial for the residents of the area and serves as a de facto bypass from the congested downtown area during the tour season. During snowfall events Dunton Street becomes the main artery feeding the entire Millar/Lund/Gorge/Sayles area because the normal main arterial (Lund Street) becomes unsafe due to the extreme grade.

Sayles-Gorge Trestle:

The Sayles/Gorge Street Viaduct structure is a hybrid structure constructed from both concrete and timber components approximately 105 linear feet in length. The last major reconstruction project on this structure was 35 years ago. It is situated on the edge of a steep cliff, and provides general and emergency vehicle access to 6 residential homes. In addition the Sayles/Gorge Street viaduct provides a secondary arterial for the area, and an alternate route during the congested summer tour season in the downtown.

Creek Street Trestle:

The Creek Street Trestle is one of the most visible and photographed areas in Ketchikan. With its historic nature as Ketchikan's former "Red Light District", this pedestrian trestle is traveled by hundreds of thousands of tourists annually. The rehabilitation of Creek Street North" and "Creek Street South" will allow the stores and businesses, overwhelmingly serving the tourist traffic to remain in operation.

While the Creek Street Trestle system serves cruise ship visitors, Water Street Trestles Nos. 1 and 2 are heavily used by local residents during the summer months to avoid congestion on Tongass Avenue that results from land based tour operators.

In December 2008, the City authorized a \$387,245 contract for Shearer Design, LLC to undertake design for the replacement of the Bayview, Dunton, Millar and Sayles-Gorge Streets Trestles, as well as the rehabilitation of the Creek Street Trestle System. Award of construction contracts is anticipated no later than June 1, 2009. It is anticipated that over the next several years a variety of projects will have to be undertaken including maintenance, structural retrofitting and complete replacement.

Funding in the amount of \$5,000,000 is requested to assist the City of Ketchikan in beginning the development of a multi-year program to address the repair and/or replacement of aging and deteriorating municipal bridges and trestles within the community.

PROJECT FUNDING REQUEST:

The rough order of magnitude estimate for this work far exceeds the City's ability to fund this effort through local revenues. Funding in the amount of \$5,000,000 is requested to assist the City of Ketchikan in beginning the development of a multi-year program to address the repair and/or replacement of aging and deteriorating municipal bridges and trestles within the community.





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